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OM protein - protein search, using sw model

Run on: March 13, 2003, 09:27:40 : Search time 15 Seconds
(without alignments)
49.038 Million cell updates/sec

Title: US-09-913-524-9

Sequence: 1 PWSPALRLQLQWPEPSAHAFCHR 25

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/iaa/5A.COMB.pep: *
2: /cgn2_6/ptodata/1/iaa/5B.COMB.pep: *
3: /cgn2_6/ptodata/1/iaa/6A.COMB.pep: *
4: /cgn2_6/ptodata/1/iaa/6B.COMB.pep: *
5: /cgn2_6/ptodata/1/iaa/PCITUS.COMB.pep: *
6: /cgn2_6/ptodata/1/iaa/hackfilest1.pep: *

Printed. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	128	89.5	351 1	US-08-197-792-39 Sequence 39, Appl
2	128	89.5	351 1	US-08-459-850-39 Sequence 39, Appl
3	128	89.5	351 1	US-08-459-214-39 Sequence 39, Appl
4	127	88.8	364 1	US-08-197-792-29 Sequence 29, Appl
5	127	88.8	364 1	US-08-459-850-29 Sequence 29, Appl
6	127	88.8	364 1	US-08-459-214-29 Sequence 29, Appl
7	98	68.5	122 1	US-08-581-529B-16 Sequence 16, Appl
8	98	68.5	122 1	US-08-455-559-22 Sequence 22, Appl
9	98	68.5	122 2	US-08-525-596B-26 Sequence 26, Appl
10	98	68.5	122 2	US-08-581-528A-16 Sequence 16, Appl
11	98	68.5	122 3	US-09-097-616-16 Sequence 16, Appl
12	98	68.5	122 3	US-09-177-860A-26 Sequence 26, Appl
13	98	68.5	122 4	US-08-624-635-18 Sequence 18, Appl
14	98	68.5	122 4	US-09-145-060-22 Sequence 22, Appl
15	98	68.5	122 5	PCT-US94-00657-22 Sequence 22, Appl
16	98	68.5	122 5	PCT-US94-07762-16 Sequence 16, Appl
17	98	68.5	122 5	PCT-US94-07799-16 Sequence 16, Appl
18	96	67.1	26 1	US-08-197-792-1 Sequence 1, Appl
19	96	67.1	26 1	US-08-459-850-1 Sequence 1, Appl
20	96	67.1	26 1	US-08-459-214-1 Sequence 1, Appl
21	94	65.7	121 1	US-08-481-377-20 Sequence 20, Appl
22	94	65.7	121 2	US-08-491-835-18 Sequence 18, Appl
23	94	65.7	121 3	US-09-153-733A-20 Sequence 20, Appl
24	94	65.7	121 3	US-08-946-092A-18 Sequence 18, Appl
25	94	65.7	121 4	US-09-172-062-18 Sequence 18, Appl
26	94	65.7	121 4	US-09-301-520B-18 Sequence 18, Appl
27	94	65.7	121 4	US-09-389-705-20 Sequence 20, Appl

28	94	65.7	121 5	PCT-US94-00666-20 Sequence 20, Appl
29	94	65.7	121 5	PCT-US94-00685-18 Sequence 18, Appl
30	73	51.0	27 2	US-09-072-323-4 Sequence 4, Appl
31	73	51.0	28 2	US-09-072-323-6 Sequence 6, Appl
32	68	47.6	116 1	US-08-197-792-38 Sequence 38, Appl
33	68	47.6	116 1	US-08-459 850-38 Sequence 38, Appl
34	68	47.6	116 1	US-08-459 850-38 Sequence 38, Appl
35	55.5	38.8	1832 3	US-09-335-409-4 Sequence 4, Appl
36	55.5	38.8	1832 4	US-09-568-102-4 Sequence 4, Appl
37	55.5	38.8	1832 4	US-09-567-969-4 Sequence 4, Appl
38	55.5	38.8	1832 4	US-09-568-480-4 Sequence 4, Appl
39	55.5	38.8	1832 4	US-09-568-486-4 Sequence 4, Appl
40	55.5	38.8	1832 4	US-09-568-472-4 Sequence 4, Appl
41	55.5	38.8	1832 4	US-09-567-899-4 Sequence 4, Appl
42	50.5	35.3	2259 4	US-09-413-814-70 Sequence 70, Appl
43	50.5	35.3	2439 3	US-09-335-409-7 Sequence 7, Appl
44	50.5	35.3	2439 4	US-09-568-102-7 Sequence 7, Appl
45	50.5	35.3	2439 4	US-09-567-969-7 Sequence 7, Appl

ALIGNMENTS

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RESULT 1
US-08-197-792-39
: Sequence 39, Application US/08197792
: Patent No. 5525488
: GENERAL INFORMATION:
: APPLICANT: Anthony J. Mason
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/197,792
: FILING DATE: 16-FEB-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/958414
: FILING DATE: 08-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/744207
: FILING DATE: 12-AUG-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/215466
: FILING DATE: 05-JUL-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/906729
: FILING DATE: 31-DEC-1986
: APPLICATION DATA:
: APPLICATION NUMBER: 06/827710
: FILING DATE: 07-FEB-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/783910
: FILING DATE: 03-OCT-1985
: ATTORNEY/AGENT INFORMATION:
: NAME: Hasak, Janet E.
: REGISTRATION NUMBER: 28,616
: REFERENCE/DOCKET NUMBER: 297P2D4
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1896
: TELEFAX: 415/952-9681
  
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TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 351 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-197-792-39

Query Match 89.5% Score 128; DB 1; Length 351;
 Best Local Similarity 88.0%; Pred. No. 9,9e-11;
 Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHACR 25
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 Db 225 PMSPALRLQRPPEPSAHACR 249

RESULT 2
 US-08-459-850-39
 Sequence 39, Application US/08459850
 Patent No. 5665568
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 APPLICANT: Peter H. Seeburg
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
 TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: palin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,850
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/197792
 FILING DATE: 17-FEB-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 297P205
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 39:

INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 351 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-459-850-39

Query Match 89.5% Score 128; DB 1; Length 351;
 Best Local Similarity 88.0%; Pred. No. 9,9e-11;
 Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHACR 25
 ||||:|||||||:|||||:|
 Db 225 PMSPALRLQRPPEPSAHACR 249

RESULT 3
 US-08-459-214-39
 Sequence 39, Application US/08459214
 Patent No. 5716810
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 APPLICANT: Peter H. Seeburg
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
 TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: palin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,214
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/197792
 FILING DATE: 17-FEB-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 297P206
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:
 LENGTH: 351 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-459-214-39

Query Match 89.5%; Score 128; DB 1; Length 351;
 Best Local Similarity 88.0%; Pred. No. 9.9e-11;
 Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25
 DB 225 PMSPALRLQRPPEPSAHAFCHR 249

RESULT 4
 US-08-197-792-29
 Sequence 29, Application US/08197792
 Patent No. 5525488
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 APPLICANT: Peter H. Seeburg
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: palin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/197,792
 FILING DATE: 16-FEB-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 297P2D4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ. ID NO.: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 364 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-197-792-29

Query Match 88.8%; Score 127; DB 1; Length 364;
 Best Local Similarity 88.0%; Pred. No. 1.4e-10;
 Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25
 DB 238 PMSPALRLQRPPEPSAHAFCHR 262

RESULT 5
 US-08-459-850-29
 Sequence 29, Application US/08459850
 Patent No. 5655368
 GENERAL INFORMATION:
 APPLICANT: Anthony J. Mason
 APPLICANT: Peter H. Seeburg
 TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
 TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: palin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/459,850
 FILING DATE: 02-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/197792
 FILING DATE: 17-FEB-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/958414
 FILING DATE: 08-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/744207
 FILING DATE: 12-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/215466
 FILING DATE: 05-JUL-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/906729
 FILING DATE: 31-DEC-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/827710
 FILING DATE: 07-FEB-1986
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 06/783910
 FILING DATE: 03-OCT-1985
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 297P2D5
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ. ID NO.: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 364 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-459-850-29

Query Match 88.8%; Score 127; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 1.4e-10;
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 PMSPALRLQRPPEPSAHACR 25
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Db 238 PMSPALRLQRPPEPSAHACR 262

RESULT 6
US-08-459-214-29
; Sequence 29, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: palin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 29722D5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 364 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-459-214-29
Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.4e-10;

Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 1 PMSPALRLQRPPEPSAHACR 25
|||||
Db 238 PMSPALRLQRPPEPSAHACR 262

RESULT 7
US-08-581-529B-16
; Sequence 16, Application US/08581529B
; Patent No. 5770444
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-Jin
; APPLICANT: Haydn, Thanh
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: California
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/581,529B
; FILING DATE: 15-APR-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Lisa A. Haile, Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibin-alpha
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..122
US-08-581-529B-16
Query Match 68.5%; Score 98; DB 1; Length 122;
Best Local Similarity 90.0%; Pred. No. 6e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 6 ALRLQRPPEPSAHACR 25
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Db 1 ALRLQRPPEPSAHACR 20

RESULT 8
US-08-455-559-22
; Sequence 22, Application US/08455559
; Patent No. 5801014
; GENERAL INFORMATION:
; APPLICANT: LEE, SE-JIN
; APPLICANT: HOYNH, THANH
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPENSLEY HORN JIBAS & LUBITZ

```

: STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
: CITY: LOS ANGELES
: STATE: CALIFORNIA
: COUNTRY: US
: ZIP: 90067
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/455,559
: FILING DATE: 31-MAY-1995
: CLASSIFICATION: 435
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: US 08/003,144
: FILING DATE: 12-JAN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: WETHERELL, JR., PH.D., JOHN R.
: REGISTRATION NUMBER: 31,678
: REFERENCE/DOCKET NUMBER: PD2280
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619/455-5100
: TELEFAX: 619-455-5110
: INFORMATION FOR SEQ ID NO: 22:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 122 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: IMMEDIATE SOURCE:
: CLONE: Inhibit-alpha
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..122
: US-08-455-559-22

Query Match 68.5%; Score 98; DB 1; Length 122;
Best Local Similarity 90.0%; Pred. No. 6e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHACR 25
Db 1 ALRLQRPPEPSAHACR 20

RESULT 9
: US-08-525-5668-26
: Sequence 26, Application US/08525596B
: Patent No. 5827733
: GENERAL INFORMATION:
: APPLICANT: Huynh, Thanh
: TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
: NUMBER OF SEQUENCES: 32
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson P.C.
: STREET: 4225 Executive Square, Suite 1400
: CITY: La Jolla
: STATE: CA
: COUNTRY: US
: ZIP: 92037
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Windows95
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/525,596B
: FILING DATE: 19-SEP-1995
: CLASSIFICATION: 514
: PRIORITY APPLICATION DATA:

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: APPLICATION NUMBER: PCT/US94/07762
: FILING DATE: 08-JUL-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Wetherell, Jr., Ph.D., John R.
: REGISTRATION NUMBER: 31,678
: REFERENCE/DOCKET NUMBER: 07265/075001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619-678-5070
: TELEFAX: 619-678-5099
: INFORMATION FOR SEQ ID NO: 26:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 122 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: IMMEDIATE SOURCE:
: CLONE: Inhibit-alpha
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..122
: US-08-525-5968-26

Query Match 68.5%; Score 98; DB 2; Length 122;
Best Local Similarity 90.0%; Pred. No. 6e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHACR 25
Db 1 ALRLQRPPEPSAHACR 20

RESULT 10
: US-08-581-528A-16
: Sequence 16, Application US/08581528A
: Patent No. 5986058
: GENERAL INFORMATION:
: APPLICANT: Lee, Se-Jin
: TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson, P.C.
: STREET: 4225 Executive Square, Suite 1400
: CITY: La Jolla
: STATE: CA
: COUNTRY: USA
: ZIP: 92037
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/581,528A
: FILING DATE: 03-Sept-1993
: CLASSIFICATION: 435
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: US 08/089,670
: FILING DATE: 09-JUL-1993
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Lisa A. Halle, Ph.D.
: REGISTRATION NUMBER: 38,347
: REFERENCE/DOCKET NUMBER: 07465/081001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619/678-5070
: TELEFAX: 619/678-5099
: INFORMATION FOR SEQ ID NO: 16:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 122 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear

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MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-528A-16

Query Match 68.5%; Score 98; DB 2; Length 122;
Best Local Similarity 90.0%; Pred. No. 66-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPSAHAFCHR 25
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DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11
US-09-097-616-16
Sequence 16, Application US/09097616
Patent No. 6090563

GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,616
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/581,529
FILING DATE: 15-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallett, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-097-616-16

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 66-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPSAHAFCHR 25
|||||
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 12
US-09-177-860A-26
Sequence 26, Application US/09177860A
Patent No. 6096506

GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: ANTI-HDL SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary White & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860A
FILING DATE: 23-OCT-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hallett, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-177-860A-26

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 66-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPSAHAFCHR 25
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DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 13
US-08-624-635-18
Sequence 18, Application US/08624635
Patent No. 6204047
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Juras & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California

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? COUNTRY: USA
? ZIP: 90067
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.25
? CURRENT APPLICATION NUMBER: US/08/624,635
? APPLICATION NUMBER DATA:
? FILING DATE: 16-AUG-1996
? CLASSIFICATION: 536
? PRIORITY APPLICATION DATA:
? APPLICATION NUMBER: US 08/134,078
? FILING DATE: 08-OCT-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: Wetherell, Jr., Ph.D., John R.,
? REGISTRATION NUMBER: 31,678
? REFERENCE/DOCKET NUMBER: PD-3054
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (619) 455-5100
? TELEFAX: (619) 455-5110
? INFORMATION FOR SEQ ID NO: 18:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 122 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibitin-alpha
? FEATURE:
? NAME/KEY: Protein
? LOCATION: 1..122
? US-08-624-635-18

Query Match 68.5%; Score 98; DB 4; Length 122;
Best Local Similarity 90.0%; Pred. No. 6e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPSAHMCHR 25
Db 1 ALRLQRPPEPSAHMCHR 20

RESULT 14
US-09-145-060-22
? Sequence 22, Application US/09145060
? Patent No. 6243896
? GENERAL INFORMATION:
? APPLICANT: Lee, Se-Jin
? APPLICANT: Huynh, Thanh
? TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
? NUMBER OF SEQUENCES: 27
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Fish & Richardson, P.C.,
? STREET: 4225 Executive Square, Suite 1400
? CITY: La Jolla
? STATE: CA
? COUNTRY: USA
? ZIP: 92037
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: Windows95
? SOFTWARE: FastSeq for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/145,060
? FILING DATE:
? PRIORITY APPLICATION DATA:
? APPLICATION NUMBER: 08/455,559
? FILING DATE: 31-MAY-1995
? APPLICATION NUMBER: 08/003,144
? FILING DATE: 12-JAN-1993

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? ATTORNEY/AGENT INFORMATION:
? NAME: Lisa A. Haile, Ph.D.,
? REGISTRATION NUMBER: 38,347
? REFERENCE/DOCKET NUMBER: 07265/057001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 619/678-5070
? TELEFAX: 619/678-5099
? INFORMATION FOR SEQ ID NO: 22:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 122 amino acids
? TYPE: amino acid
? STRANDEDNESS: linear
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibit-alpha
? FEATURE:
? NAME/KEY: Protein
? LOCATION: 1..122
? PCT-US94-00657-22

Query Match 68.5%; Score 98; DB 5; Length 122;
Best Local Similarity 90.0%; Pred. No. 6e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPSAHMCHR 25
Db 1 ALRLQRPPEPSAHMCHR 20

RESULT 15
PCT-US94-00657-22
? Sequence 22, Application PCT/US9400657
? GENERAL INFORMATION:
? APPLICANT: SE-JIN LEE
? APPLICANT: HUYNH, THANH
? TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
? NUMBER OF SEQUENCES: 27
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: SPENSLY HORN JONAS & LOBITZ
? STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
? CITY: LOS ANGELES
? STATE: CALIFORNIA
? COUNTRY: US
? ZIP: 90067
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US94/00657
? FILING DATE: 1/12/94
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: WETHERELL, JR., Ph.D., JOHN R.,
? REGISTRATION NUMBER: 31,678
? REFERENCE/DOCKET NUMBER: PD3256 CIP OF PD2280
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 619/455-5100
? TELEFAX: 619-455-5110
? INFORMATION FOR SEQ ID NO: 22:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 122 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibit-alpha
? FEATURE:
? NAME/KEY: Protein
? LOCATION: 1..122
? PCT-US94-00657-22

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	Matches	18;	Conservative	1;	Mismatches	1;	Indels	0;	Gaps	0;
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Db	1	ALRLIOPPPPSAHACHR	20							

Search completed: March 13, 2003, 14:00:27
Job time : 15 secs